

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Suvi P. Haukka</td> <td>03/08/2013</td> </tr> <tr> <td>Antti Niskanen</td> <td>03/11/2013</td> </tr> <tr> <td>Marko Tuominen</td> <td>03/11/2013</td> </tr> </tbody> </table>		Name	Execution Date	Suvi P. Haukka	03/08/2013	Antti Niskanen	03/11/2013	Marko Tuominen	03/11/2013
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Suvi P. Haukka	03/08/2013								
Antti Niskanen	03/11/2013								
Marko Tuominen	03/11/2013								
RECEIVING PARTY DATA									
Name:	ASM International N.V.								
Street Address:	Versterkerstraat 8								
City:	Almere								
State/Country:	NETHERLANDS								
Postal Code:	1322 AP								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13702992</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13702992				
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Application Number:	13702992								
CORRESPONDENCE DATA									
Fax Number:	9497609502								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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NAME OF SUBMITTER:	Andrew N. Merickel								
<p>Total Attachments: 4</p> <p>source=Assignment-ASMMC_089APC#page1.tif</p> <p>source=Assignment-ASMMC_089APC#page2.tif</p> <p>source=Assignment-ASMMC_089APC#page3.tif</p> <p>source=Assignment-ASMMC_089APC#page4.tif</p>									

OP \$40.00 13702992

ASSIGNMENT

WHEREAS, Suvi P. Haukka, a FI citizen, residing at Helsinki, FI, Antti Niskanen, a FI citizen, residing at Helsinki, FI, and Marko Tuominen, a FI citizen, residing at Helsinki, FI, (individuals hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries related to SELECTIVE FORMATION OF METALLIC FILMS ON METALLIC SURFACES (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States has been prepared for filing (identified above) with the United States Patent and Trademark Office (hereinafter the "Application");

AND WHEREAS, ASM International N.V., a Corporation, with its principal place of business at Versterkerstraat 8, Almere, 1322 AP, Netherlands (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all provisional applications relating thereto (including but not limited to U.S. Provisional Application No. 61/353,603, filed June 10, 2010), and all nonprovisional applications claiming priority thereto, including, all divisions, continuations, continuations-in-part, reissues, and reexaminations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

Legal Name of inventor: Suvi P. Haukka

Inventor Signature:  Date: March 8, 2013

Witnessed by: 

Witness Name (printed): Ryan Webengood

Legal Name of inventor: Antti Niskanen

Inventor Signature: _____ Date: _____

Witnessed by: _____

Witness Name (printed): _____

Legal Name of inventor: Marko Tuominen

Inventor Signature: _____ Date: _____

Witnessed by: _____

Witness Name (printed): _____

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ASSIGNMENT

WHEREAS, Suvi P. Haukka, a FI citizen, residing at Helsinki, FI, Antti Niskanen, a FI citizen, residing at Helsinki, FI, and Marko Tuominen, a FI citizen, residing at Helsinki, FI, (individuals hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries related to SELECTIVE FORMATION OF METALLIC FILMS ON METALLIC SURFACES (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States has been prepared for filing (identified above) with the United States Patent and Trademark Office (hereinafter the "Application");

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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all provisional applications relating thereto (including but not limited to U.S. Provisional Application No. 61/353,603, filed June 10, 2010), and all nonprovisional applications claiming priority thereto, including, all divisions, continuations, continuations-in-part, reissues, and reexaminations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

Legal Name of inventor: Suvi P. Haukka


Inventor Signature: _____ Date: _____

Witnessed by: _____

Witness Name (printed): _____

Legal Name of inventor: Antti Niskanen

Inventor Signature:  Date: 11-Mar-2013

Witnessed by: 

Witness Name (printed): HANNU HUOTARI

Legal Name of inventor: Marko Tuominen

Inventor Signature:  Date: 11-Mar-2013

Witnessed by: 

Witness Name (printed): HANNU HUOTARI